

6-10-1977

## 1977 Commencement for Jefferson Medical College, College of Graduate Studies, and College of Allied Health Sciences

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153RD  
COMMENCEMENT



*Jefferson Medical College  
College of Graduate Studies  
College of Allied Health Sciences  
of  
Thomas Jefferson University*

1824-1977

*Friday, June Tenth  
Nineteen Hundred and Seventy-Seven  
Half Past Ten O'clock*

*The Academy of Music*



PROCESSIONAL .....Trumpet Voluntary .....JOHN STANLEY  
The Jefferson Processional .....BURLE MARX

THE NATIONAL ANTHEM

INVOCATION .....The Reverend JAMES N. MAMALIS  
Greek Orthodox Cathedral of St. George

CONVOCATION

Opening Remarks .....GEORGE M. NORWOOD, JR., *Interim President*

CONFERRING OF DEGREES IN COURSE .....PRESIDENT NORWOOD

Doctor of Philosophy

Presented by .....ROBERT C. BALDRIDGE, *Dean*  
College of Graduate Studies

Doctor of Medicine

Presented by .....WILLIAM F. KELLOW, *Dean and Vice President*  
Jefferson Medical College

The Oath of Hippocrates .....GONZALO E. APONTE, *Professor of Pathology*  
and *Chairman of the Department*  
Jefferson Medical College

Master of Science

Presented by .....DEAN BALDRIDGE

Bachelor of Science

Presented by .....MARTEN M. KERNIS, *Dean*  
College of Allied Health Sciences

CONFERRING OF HONORARY DEGREES .....PRESIDENT NORWOOD

DEREK E. DENNY-BROWN, *Medical Scientist*, **Doctor of Humane Letters**

Presented by: RICHARD A. CHAMBERS, *Professor of Neurology and Chairman of the Department*,  
Jefferson Medical College

MILLARD E. GLADFELTER, *Educator*, **Doctor of Humane Letters**

Presented by: WILLIAM W. BODINE, JR., *Chairman, Board of Trustees*, Thomas Jefferson Uni-  
versity

HOBART A. REIMANN, *Physician-Scholar*, **Doctor of Science**

Presented by: JOHN H. HODGES, *Ludwig A. Kind Professor of Medicine*, Jefferson Medical College

MESSAGE TO GRADUATES .....PRESIDENT NORWOOD

BENEDICTION .....REVEREND MAMALIS

RECESSIONAL .....Pomp and Circumstance .....ELGAR

W. ERNEST WELLS, *Organist*

*Marshal*

FRANCIS J. SWEENEY, JR.

*Faculty Marshals*

SAMUEL S. CONLY, JR.  
JOSEPH S. GONNELLA

RHONDA KARP  
JOHN H. KILLOUGH

JEROME R. MARKS  
JAMES H. ROBINSON

*Student Marshals*

NEIL HOWARD SHUSTERMAN  
Jefferson Medical College

THOMAS J. DOUGHERTY  
College of Graduate Studies

BONNIE DYMEK  
College of Allied Health Sciences

The audience is requested to remain seated during the Academic Procession and Recession.

# AWARDS and PRIZES

Awarded at Class Day Exercises on Thursday, June 9, 1977

## FACULTY AWARDS

*The Christian R. and Mary F. Lindback Award for Distinguished Teaching.*

BASIC SCIENCES: WARREN R. LANG, A.B., M.D., Assistant Professor of Pathology and Professor  
of Obstetrics and Gynecology.

CLINICAL SCIENCES: EDWARD HENDERSON McGEHEE, B.A., M.D., Professor of Family Medi-  
cine and Clinical Associate Professor of Medicine.

## AWARDS TO GRADUATING STUDENTS

*The Albert Strickler Memorial Prize*, sponsored by Mrs. Albert Strickler for the best essay on Cancer.

SANDRA J. TEMS, (honorable mention: BRUCE GILBERT)

*The Henry M. Phillips Prize in Medicine.*

RANDY VENERANDO CAMPO, (honorable mention: JAMES CALVIN FOLK)

*The Practice of Medicine Essay Prize*, awarded by bequest of Francis W. Shain, M.D.

JOHN DAVID BARTGES, (honorable mention: HERBERT PATRICK)

*The Henry M. Phillips Prize in Surgery.*

J. HARTLEY BOWEN, III, (honorable mention: ROBERT E. ATKINSON)

*The Clinical Surgery Prize* in memory of Francis Torrens Stewart, M.D., Professor of Surgery, Jefferson  
Medical College, 1910-1920.

RALPH ANTHONY CARABASI, III, (honorable mention: ERIC CHARLES JAXHEIMER)

*The Gynecology Prize*, sponsored by Mrs. Albert Strickler in memory of Lewis C. Sheffey, M.D., Emeritus  
Professor of Obstetrics and Gynecology.

CAROLYN DILWORTH RUNOWICZ, (honorable mention: ROSALIE WINTER WESSELL)

*The Orthopaedic Surgery Prize*, sponsored by Professor John J. Gartland, M.D.

JAMES PHILIP BAGIAN, (honorable mention: GLENN DAVID BARNES)

*The Urology Prize*, awarded in memory of Theodore R. Fetter, M.D., The Nathan Lewis Hatfield Pro-  
fessor of Urology.

CAROLYN DILWORTH RUNOWICZ

*The Edward J. Moore, M.D. Memorial Prize in Pediatrics.*

JAMES CALVIN FOLK, (honorable mention: MICHAEL THOMAS BRADY)

*The Henry Keller Mohler Memorial Prize in Therapeutics*, sponsored by Mr. Jesse Hubschman in mem-  
ory of his wife, Natalie, to honor Henry Keller Mohler, M.D.

CAROLYN DILWORTH RUNOWICZ, (honorable mention: JOHN JOSEPH KELLEMAN)

*The Psychiatry Prize.*

WADE HAYHURST BERRETTINI, (honorable mention: THOMAS CHARLES BENFIELD)

*The S. MacCuen Smith Memorial Prize in Otology*, sponsored by Mrs. Stuart Lodge Bullivant in memory  
of her father.

WARREN BRUCE MATTHEWS, (honorable mention: SHELDON JAY FREEDMAN)

*The Carroll R. Mullen, M.D., Memorial Prize in Ophthalmology.*

EDITH SUSANNA EISENHOWER, (honorable mention: CAROL ANN DOROSHOW)

*The Obstetrics and Gynecology Prize*, sponsored by Mrs. Sarah George Miller in honor of John B. Mont-  
gomery, M.D., Emeritus Professor of Obstetrics and Gynecology.

STEPHEN HENRY FEHNEL, (honorable mention: DAVID ROBERT McDONALD)

*The Baldwin L. Keyes Prize in Psychiatry*, award given in honor of Baldwin L. Keyes, M.D., Sc.D.,  
Emeritus Professor of Psychiatry.

MARK WILLIAM MAXWELL, (honorable mention: THOMAS CHARLES BENFIELD)

*The William Potter Memorial Prize in Clinical Medicine*, award given from a bequest of Mrs. Adaline  
Potter Wear for highest attainment.

RANDY VENERANDO CAMPO, (honorable mention: JAMES FRANCIS BURKE)



*The Alumni Prize*, awarded by Jefferson Medical College Alumni Association for the highest cumulative record.

JEFFREY BERNARD GROSS, (honorable mention: MICHAEL THOMAS BRADY)

*The Louis B. Swisher, Jr. Memorial Prize in Anesthesiology.*

RICHARD ALFRED CRAIG

*The Philip J. Hodes Prize in Radiology.*

MARK WARREN COOPER, (honorable mention: BLAIR ARDMAN)

*The E. Harold Hinman Memorial Prize in Community Health and Preventive Medicine*, sponsored by family and friends in memory of E. Harold Hinman, Ph.D., M.D., M.P.H., Emeritus Professor of Preventive Medicine.

WARREN BRUCE MATTHEWS, (honorable mention: KAREN LUTZ YTTERBERG)

*The Leopold Goldstein Memorial Prize in Obstetrics and Gynecology*, sponsored by family and friends in memory of Leopold Goldstein, M.D., for the highest average in Obstetrics and Gynecology.

LARRY JAY SCHOENFELD and CYNTHIA LOUISE SEARS

*The Arthur Krieger Memorial Prize in Family Medicine*, sponsored by family and friends in memory of Arthur Krieger, M.D.

HERBERT PATRICK, (honorable mention: SYLVIA LORENE BEIMFOHR)

*The Arthur Krieger Memorial Prize in Neurology*, sponsored by family and friends in memory of Arthur Krieger, M.D.

JOHN RITTER DIETZ

*The Dean Marie Banes Memorial Prize in Pediatrics*, sponsored by family and friends in memory of Dean Marie Banes, M.D., a graduate of the Class of 1973, for excellence in Pediatrics.

KAREN LUTZ YTTERBERG, (honorable mention: GARY WILLIAM LAWRENCE)

*The Hubert Spencer Sear Memorial Prize in Radiology*, sponsored by family and friends in memory of Hubert Spencer Sear, M.D., a graduate of the Class of 1950.

MICHAEL EDWARD FISCHER

*The Alexander and Lottie Katzman Award in Gastroenterology.* Sponsored by Dr. and Mrs. Joseph Medoff in memory of Mrs. Medoff's parents. Awarded to the student who has shown the greatest proficiency in Gastroenterology as judged by the faculty of this division.

JEAN A. HALPERN, (honorable mention: CYNTHIA LOUISE SEARS)

*The Paul D. Zimskind Memorial Prize in Urology*, sponsored by the National Urologic Forum, in memory of Paul D. Zimskind, M.D., Ph.D., The Nathan Lewis Hatfield Professor of Urology, for academic excellence in the urologic field.

KENT VAN TUYL CAREY, (honorable mention: JOHN DAVID BARTGES)

*Upjohn Achievement Award* to be given to a Senior Medical Student who shows outstanding all-around achievement in Clinical proficiency.

JEAN A. HALPERN, (honorable mention: PAUL LOUIS URBAN)

*The Lange Medical Publications Prizes* to each of two outstanding Senior Students. A gift of four Lange Publications books.

JAMES FRANCIS BURKE and CYNTHIA LOUISE SEARS

*W. B. Saunders Company Prize* to an outstanding student in the Senior Year. Medical Publications.

JAMES CALVIN FOLK

*The C. V. Mosby Company Prize.* Awarded to five outstanding graduates.

JAY ARTIS PEACOCK

GEOFFREY RALPH BURBRIDGE

DAVID ROBERT McDONALD

SAMUEL MATTHEW LESKO

JOHN RITTER DIETZ

Additional prize issued June 10, 1976 after publication to:

MICHAEL HERBERT LEVY

*The Richard W. Foster Prize* to a graduating student who has made a significant contribution to the College.

WILLIAM ERNEST EGGBROTEN

*The Charles W. LaBelle Prize* for an outstanding candidate for the degree of Doctor of Philosophy. Award given by Mrs. LaBelle and family in memory of her husband, Charles W. LaBelle, Ph.D., Assistant Professor of Preventive Medicine (Environmental Hygiene). Given on May 18, 1977 at a meeting of the College of Graduate Studies.

THOMAS K. BILLS

#### DOCTOR OF HUMANE LETTERS—DEREK ERNEST DENNY-BROWN

Derek Ernest Denny-Brown was born in Christchurch, New Zealand, on June 1, 1901. He received his M.B. and Ch.B. from Otago University in New Zealand in 1924 and became a Demonstrator in Anatomy. Interested in problems of posture and movement, the young anatomist was skeptical about some of the prevailing views and he went to Oxford University in England where he was a Beit Fellow from 1925 to 1928.

From 1928 to 1931 he was Resident Medical Officer at the National Hospital, Queen Square, London, and from 1931 to 1935 he was Registrar in Neurology at Guy's Hospital. Here his studies continued, both in animals and in man.

In 1935 Dr. Denny-Brown was elected to full staff appointment, Assistant Physician, at the National Hospital. The same year he became Neurologist at Saint Bartholomew's Hospital.

In 1936 Dr. Denny-Brown went to Yale University and studied the activity of the frontal lobes in monkeys. American scholars had a chance to see and hear first-hand the young man who could speak with knowledge and authority about both clinical and laboratory investigation.

Dr. Denny-Brown became Director of the Neurological Unit at the Boston City Hospital in 1939, but when the war broke out he returned to Great Britain to organize a military hospital for head injuries. In 1941 he returned to the United States and to the Neurological Unit at Boston City Hospital and also assumed the position of Professor of Neurology at Harvard Medical School.

The Neurological Unit was a remarkable place. Standards were set and they were maintained, both in the clinic and in the laboratory. Rounds, conferences, clinico-pathological exercises, and seminars were abundant. Dr. Denny-Brown accomplished much in those years. He saw or heard about every patient admitted to the Neurological Service and did two or three months of active visiting on the wards each year. The Neurological Unit has provided the major part of the graduate training for a large proportion of the chairmen of academic departments of neurology in North America.

From 1944 to 1946 he served again with the British Army and while in India became interested in the nutritional problems of prisoners of war and published his observations after the war.

In 1946 he returned to Harvard and Boston as the James Jackson Putnam Professor of Neurology—a position he held until 1968. In 1967 he became Chief of the Section on Neurophysiology and Associate Director of the New England Regional Primate Research Center.

Dr. Denny-Brown served on the Board of Consultants of the National Institutes of Health from 1962 to 1966 and in 1972 became a Fogarty Scholar-in-Residence at the NIH.

He has received honorary degrees from Harvard, Wayne State, Otago, and Glasgow. In 1942 he received the decoration, Officer in the Order of the British Empire, for his work on care of military casualties with head injury. He is an Honorary Fellow of the Royal Society of Medicine, of the College of Physicians of South Africa, and of the Swedish Society of Medical Sciences. He has received the Sherrington Medal, the Leonard Wood Award, the Jacoby Award, and the Modern Medicine Award. He served as President of the Boston Society of Psychiatry and Neurology, of the American Association of Neuropathologists, and of the American Neurological Association. He received a citation in 1947 for his contribution to the work of the Office of Scientific Development in World War II, and another from the Navy in 1964 for his work at Chelsea Naval Hospital.

Dr. Denny-Brown seems never to grow tired. He is a splendid conversationalist and story-teller who knows and loves music, art, and literature. He is a fine sailor and at his summer home in Hancock Point, Maine, spends much of his time under sail.

He is married to the former Sylvia Summerhayes and they are the parents of four sons.

#### DOCTOR OF HUMANE LETTERS—MILLARD ELWOOD GLADFELTER

Millard Elwood Gladfelter is well known in Philadelphia in general and to the academic community in particular. He was born in rural York County, Pennsylvania, and received his primary and secondary education in York. In addition to his many accomplishments he has a special interest in the history of the Commonwealth of Pennsylvania and lectures on the culture, folklore, and history of the Pennsylvania Dutch.

His Bachelor of Arts Degree was earned at Gettysburg College, his Master of Arts from the University of Wisconsin, and his Doctor of Philosophy was awarded by the University of Pennsylvania.

He began his illustrious career in education as a teacher of history and later became a Principal and supervising Principal in the West York School system. In 1931 he moved to Temple University as Director of the High School. Over the ensuing three decades his superiors and his peers recognized his ability, accomplishments and devotion to Temple University in many ways. His career was capped in 1967 when he was appointed Chancellor of the University. Previously he had been President, Vice President and Provost, and Registrar.



During his tenure as President, Temple University achieved national prominence and assumed a leadership position in the educational community. Dr. Gladfelter led his institution into a fruitful partnership with the state of Pennsylvania with Temple becoming a key part of the Commonwealth's system of higher education.

He has served in many educational capacities including the Executive Committee of the Pennsylvania State Council on Education, as President of the Middle States Association of Colleges and Secondary Schools, as President of the Pennsylvania Association of Colleges and Universities, and many others.

His community interests are numerous and include involvement in the Kiwanis Club, the Boy Scouts of America, the Philadelphia Chamber of Commerce, the United Fund, the Goodwill Industries, and the Philadelphia '76 Bicentennial Corporation. He has had a long and abiding interest in the Lutheran Church and its educational activities. Dr. Gladfelter has served on the Board of many educational and business organizations including Muhlenberg College, Ursinus College, Gettysburg College, the Philadelphia Bible Society, the Philadelphia Free Library, the Philadelphia Life Insurance Company, and the Continental Bank and Trust Company.

Many honors have been bestowed on Millard Gladfelter including an honorary degree from his alma mater and 17 other institutions of higher learning—a tribute to his educational and administrative prowess. He has also received the National Humanitarian Award of the National Conference of Christians and Jews, and the Samuel S. Fels Medal.

A special interest of Dr. Gladfelter's is painting and his oils have been shown in several exhibitions. Dr. Gladfelter is married to the former Martha Louise Gaut and they have two sons.

#### DOCTOR OF SCIENCE—HOBART ANSTETH REIMANN

Hobart Ansteth Reimann was born in Buffalo, New York, on October 31, 1897, and received his medical degree from the University of Buffalo in 1921. He subsequently served his internship at the Buffalo General Hospital and then spent several years as an Assistant in the Hospital of the Rockefeller Institute where he engaged in clinical investigative work. In 1926 he went to Europe to spend a year as a Fellow in Pathology in Prague.

His teaching career began as Associate Professor of Medicine in the Peking Union Medical College in China, where he continued active research for three years. He returned to the United States and was appointed Associate Professor of Medicine at the University of Minnesota Medical School in Minneapolis. Shortly thereafter he was appointed Professor of Medicine and Head of the Department of Medicine at that institution.

Dr. Reimann was appointed the Magee Professor of Medicine and Chairman of the Department of Medicine at Jefferson in October 1936. He came to Jefferson with a reputation for attainment in scientific medicine, particularly in the area of Infectious Diseases, especially pneumonia, typhus, and scarlet fever.

The Department of Medicine underwent tremendous expansion during his years at Jefferson in spite of many adversities—including the Great Depression. He will always be remembered for his "grand rounds" and sessions in the Clinical Amphitheater when students, house officers and faculty were frequently subjected to intense quizzing which moved one to commit to memory the clinical facts concerning 20 or 30 patients so as not to be embarrassed by the "Professor". He never permitted the neophyte to become imprecise, sloppy in dress or manner, or to show any lack of respect for fellow humans.

Dr. Reimann resigned as the Magee Professor of Medicine and Chairman of the Department at Jefferson in October of 1951. Following his departure from Jefferson, he served as a visiting Professor of Medicine at the American University of Beirut in Lebanon from 1952 to 1954, as a visiting Professor of Medicine at the University of Indonesia in 1955, and as visiting Professor of Medicine at the University of Shiraz (Persia) from 1957 to 1959. In 1960 Dr. Reimann returned to Philadelphia as Professor of Medicine at the Hahnemann Medical College where he continues his activities.

His honors and awards are numerous. He received the Charles V. Chapin Medal from the Rhode Island State Medical Society in 1951 and was cited for distinguished service in medical education by the University of Buffalo, his alma mater, in 1951. He has also received the Hahnemann Corporation Medal for Distinguished Service in 1969 and the Shaffrey Award of the Medical Alumni of Saint Joseph's College in Philadelphia in 1974. The Class of 1951 of Jefferson Medical College bestowed upon him a particular honor by presenting his portrait to the College.

Dr. Reimann has contributed over 250 publications to the medical literature including over 40 consecutive annual reviews of Infectious Diseases for the Archives of Internal Medicine and the British Postgraduate Medical Journal. Dr. Reimann has made three major contributions to Medicine—he was the first to describe viral and mycoplasma pneumonia, periodic disorders, and viral dysentery.

Dr. Reimann is a member of numerous societies, including the Association of American Physicians and the American Society for Clinical Investigation.

He is an artist of some note—one of his works was the subject of the front cover of the Journal of the American Medical Association. He lives with his wife, Cecilia, in Penn Valley.

#### CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE

- ARYE ROSEN (Physiology) .....Cherry Hill, N.J.  
"Echocardiography, a Non-invasive Technique for the Detection of Heart Dysfunction."  
PAUL GEOFFREY RUDOLF (Physics) .....Norwalk, Conn.  
"Production Mechanisms of Heavy Particles and Their Effects in Cosmic Ray Experiments."

#### CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE (CLINICAL MICROBIOLOGY)

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|--|---|
| WENDY MALKOFF BLUME .....Philadelphia, Pa.         | BARBARA SAWYER LOWRY .....Valley Forge, Pa.     |
| JANICE YOUNG BROADBELT .....College Park, Md.      | KARIN L. MCGOWAN .....Flourtown, Pa.            |
| MERCEDES THERESA COLE .....Rydal, Pa.              | DIANE LORETTA ROSCOE .....Philadelphia, Pa.     |
| JACK ALBERT FARICELLI .....Beverly, N. J.          | ANNEMARIE DOUGHERTY SHERRETTA .....Ardmore, Pa. |
| ELCINDA L. GURINGO .....Harrisburg, Pa.            | SUSAN ANN WEEKS .....Philadelphia, Pa.          |
| MAUREEN IRWIN HISER .....Philadelphia, Pa.         | MARIA THEODOS WILSON .....Wynnewood, Pa.        |
| GEORGE AUGUSTINE JENCKES, III .....Wyomissing, Pa. |   |

#### CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE (MEDICAL TECHNOLOGY)

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| LINDA MARIE BOJANOWSKI .....Woodbury, N. J.          | JANIS MARIE KELLY .....Philadelphia, Pa.         |
| BETH ANN BORN .....Pennsauken, N. J.                 | LORRAINE CHRISTINE LESUTIS .....Folcroft, Pa.    |
| MARGARET ROSE BOSSARD .....Perkasie, Pa.             | MINDY JOAN MANSHIL .....Havertown, Pa.           |
| PATRICIA ANNE CADDY .....Johnstown, Pa.              | HELENE HENRY MARGERUM .....Levittown, Pa.        |
| MARYANN C. CASEY .....W. Collingswood Heights, N. J. | JOANNE MARIE MILLER .....Levittown, Pa.          |
| KAREN MARIE CONTRISCANO .....Clifton Heights, N. J.  | LAVANCHE MARIE NAVATIER .....Robbinsville, N. J. |
| LAURA ANNE COOPER .....East Brunswick, N. J.         | LYNNE OMER NENSTIEL .....Johnstown, Pa.          |
| DIANE ELIZABETH DILORETO .....Ridley Park, Pa.       | JANET KATHERINE PROCINO .....Philadelphia, Pa.   |
| MARIA RITA GERACE .....Philadelphia, Pa.             | MELISSA LEE SHROCK .....Allison Park, Pa.        |
| CYNTHIA PAULINE GIANNINI .....Steubenville, Oh.      | SHEIK MAHDIEU TARAWALY .....Philadelphia, Pa.    |
| GARY ELLIS GILMAN .....Lorain, Oh.                   | CARLA MARIE TRAUTMAN .....Tower City, Pa.        |
| JANET CAMPBELL HOUGH .....Cherry Hill, N. J.         | KAREN ELIZABETH WOODS .....Lansdale, Pa.         |

#### CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE (NURSING)

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| KAY E. ALDINGER .....Williamsport, Pa.             | SUSAN MARY LOUGHERY .....Barrington, N. J.      |
| H. DENISE AMRITT .....Huntingdon Valley, Pa.       | EMILY VASILLE MAMALIS .....Philadelphia, Pa.    |
| SUSANNE NANNETTE BACKENSTOSE .....Sumner, Wa.      | PAMELA YOUNG MCCARTER .....Havertown, Pa.       |
| SUSAN M. BARBUTO .....Philadelphia, Pa.            | JAYNE ELLEN MOORE .....Chalfont, Pa.            |
| PEGGY M. BECKER .....Colonia, N. J.                | RALPH OSCAR MORGAN, JR. ....Philadelphia, Pa.   |
| MITCHELL T. BERGMANN .....Philadelphia, Pa.        | JANE MARGARET MURPHY .....Roslyn, Pa.           |
| APRIL LEE BIRD .....Wrightstown, N. J.             | TRACY ORKIN .....Waterbury, Cn.                 |
| JULIANE N. BOHAN .....Wilmington, De.              | MONICA MARY ORKWISZEWSKI .....Philadelphia, Pa. |
| ELIZABETH LYNNE BROWN .....Pittsburgh, Pa.         | CHERYL T. PROSSACK .....Berwyn, Pa.             |
| SUSAN NANCY BROWN .....Barrington, N. J.           | N. JEAN REPMAN .....Greenville, De.             |
| CATHY LYNN CARTER .....Erie, Pa.                   | TIMOTHY W. RILEY .....Philadelphia, Pa.         |
| LISA JEAN CHARLES .....Berlin, N. J.               | MELANIE MARTINA ROSELLA .....Frackville, Pa.    |
| JUDITH ANN DAVIS .....Wyoming, Pa.                 | JOY SANDRA ROSENTHAL .....Philadelphia, Pa.     |
| AMANDA L. DRAKE .....Phoenixville, Pa.             | VIRGINIA ANNE RUDOLPH .....Springfield, Pa.     |
| MARY SUSAN EPPLEY .....Elyria, Oh.                 | MELANIE ANN SAMMONS .....Smyrna, De.            |
| ANNE ABEL FORSTER .....Lancaster, Pa.              | CLAIRE SUSAN SHEINMAN .....Melrose Park, Pa.    |
| APRIL GILLEN FREIBERGER .....Medford Lakes, N. J.  | JEANNE IRENE SLOUKA .....Clementon, N. J.       |
| RAYMOND J. FURLONG, JR. ....Philadelphia, Pa.      | DIANE JEAN SMITH .....Beverly, N. J.            |
| DONNA SUE GARDNER .....Paulsboro, N. J.            | MARGARET BAILEY SNYDER .....Pennsauken, N. J.   |
| DORINA KANDAS GLICK .....Berkeley, Ca.             | MURIEL EDITH SOLOMON .....Philadelphia, Pa.     |
| MICHAEL STEVEN GORODETZER .....Cherry Hill, N. J.  | LISA ANN STRESE .....Media, Pa.                 |
| MARIELLYN J. HOLMES .....Philadelphia, Pa.         | LAURIE THOMPSON .....Hagerstown, Md.            |
| BARBARA H. HORDIS .....Huntingdon Valley, Pa.      | BARBARA JEAN TREICHLER .....Yardley, Pa.        |
| MONIQUE ANTOINETTE INGRAM .....Lafayette Hill, Pa. | EUGENIA ANN TYRELL .....Norristown, Pa.         |
| BARBARA LONA ISARD .....Philadelphia, Pa.          | RENE GENE VORBERG .....Philadelphia, Pa.        |
| DIANE CATHERINE JOHNSON .....Philadelphia, Pa.     | MERI LYNN WIEDER .....Fort Washington, Pa.      |
| HEBE DIANA HEARN JUNGKIND .....Glenside, Pa.       | FRANCES ANN WOLGIN .....Philadelphia, Pa.       |
| VICTORIA ANNE KOLODZEY .....Philadelphia, Pa.      | PAULA KATHLEEN YOVANOVICH .....Steelton, Pa.    |
| SUSAN MARIE LODGE .....Pennsauken, N. J.           |   |

As final action cannot always be taken before the program goes to press, Thomas Jefferson University reserves the right to add or withdraw names from the list of candidates for degrees.



## CANDIDATES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

ROGER JACKSON BECKER (Physics)	Basking Ridge, N.J.
"Raman Scattering of Layered TX <sub>2</sub> Compounds."	
THOMAS K. BILLS (Pharmacology)	Philadelphia, Pa.
"The Metabolism of Arachidonic Acid by Human Platelets—Elucidation of Mechanisms that Control the Synthesis of Prostaglandins and Thromboxanes."	
RICHARD PATRICK CARLSON (Physiology)	Hatfield, Pa.
"Cellular Integrity and Prostaglandin Production in Hypodynamic Perfused Cat Liver."	
SUSAN DEMESQUITA (Physiology)	Deptford, N.J.
"Rapid Eye Movement and Respiratory Responses to Partial Occlusion of the Trachea During Sleep and Wakefulness in the Dog."	
JAMES MALCOLM EAST (Anatomy)	Winston-Salem, N.C.
"Deacylation-reacylation of Phospholipids by Rat Placenta of 14 Days Gestational Age."	
MARK IVAN FOW (Pharmacology)	Philadelphia, Pa.
"Drug Interaction Between Pentobarbital and its Metabolite, Pentobarbital Alcohol."	
CHOWNING REGINALD HALL (Pharmacology)	Richmond, Va.
"Pharmacologic Activities of Glutethimide and its Optical Isomers."	
STEPHEN MICHAEL PAUL (Biochemistry)	Cornwells Heights, Pa.
"Studies on the Physicochemical Properties of Rabbit C-lq."	
SIDNEY HOWARD SCHNOLL (Pharmacology)	Philadelphia, Pa.
"Binding Specificities for Mescaline of Anti-Mescaline Antibodies and Mitochondrial-Synaptosomal Subcellular Fractions of Rat Brain."	
CLYDE WILLIAM SHEARMAN, JR. (Biochemistry)	Havertown, Pa.
"Studies on a Membrane-DNA Replication Complex Isolated from Normal Rat Liver Mitochondria."	
RICHARD L. STEELMAN (Pharmacology)	Fairview Village, Pa.
"Determination of the Teratogenic and Mutagenic Potential of Griseofulvin."	
ARISTIDES DIMITRIOS ZDETSIS (Physics)	Nikea, Greece
"Lattice Dynamics of Crystals with Diamond Structure."	

## CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

ANNE WYNN WYGAL ADAM	Wilmington, Del.
JEFFERY STEPHENS ADAM	Kettering, Ohio
LEONARD JOSEPH ADELSON	Upper Darby, Pa.
JANET GLASS ALTEVEER	Moorestown, N. J.
CYNTHIA BETCHEN ALTMAN	Philadelphia, Pa.
LANNING ALBERT ANSELM	West Wyoming, Pa.
BLAIR ARDMAN	Washington, Pa.
DONALD JOSEPH ARMSTRONG	Langhorne, Pa.
NED BROOKS ARMSTRONG	Carlisle, Pa.
ROBERT EGEN ATKINSON	Wynnewood, Pa.
JAMES PHILIP BAGIAN	Philadelphia, Pa.
LEIGH BALTUCH	Pittsburgh, Pa.
CARL ANTHONY BARBEE	Wilmington, Del.
GLENN DAVID BARNES	Camp Hill, Pa.
JOHN DAVID BARTGES	Allentown, Pa.
GEORGE B. BATTEN	Scranton, Pa.
DAVID CONRAD BAUMAN	Highspire, Pa.
SYLVIA LORENE BEIMFOHR	Morrisville, Pa.
BRUCE ROBERT BENDER	State College, Pa.
THOMAS CHARLES BENFIELD	Boyetown, Pa.
BARBARA JOAN BERGER	Springfield, N. J.
WADE HAYHURST BERRETTINI	Wilkes-Barre, Pa.
ALANNA F. BODENSTAB	Wilmington, Del.
ALEX BRUCE BODENSTAB	Wilmington, Del.
WILLIAM ERIC BODENSTAB	Wilmington, Del.
EDWARD W. BOGNER	Kulpmont, Pa.
ROBERT S. BOOVA	Phoenixville, Pa.
J. HARTLEY BOWEN, III	Haddonfield, N. J.
MICHAEL THOMAS BRADY	Wilkes-Barre, Pa.
SARAH CARTY BROWN	Bryn Mawr, Pa.

GEOFFREY RALPH BURBRIDGE	Erie, Pa.
JAMES FRANCIS BURKE	Ardmore, Pa.
JOHN MICHAEL CAMAS	Bradford, Pa.
THOMAS JOSEPH CAMPFIELD	Herminie, Pa.
RANDY VENERANDO CAMPO	Philadelphia, Pa.
RALPH ANTHONY CARABASI, III	Rosemont, Pa.
KENT VAN TUYL CAREY	Santa Monica, Cal.
MOIZ MOHAMED CARIM	Bala Cynwyd, Pa.
HARVEY DONALD CASSIDY	Eddystone, Pa.
VIRGINIA ANN CHALFANT	McMurray, Pa.
SCOTT CHERRY	Philadelphia, Pa.
HOWARD STEPHEN COBERT	Philadelphia, Pa.
JOSEPH ANTHONY COLLETTA	Wilmington, Del.
GEORGE EDWARD CONNERTON	Camden, N. J.
MARK WARREN COOPER	Philadelphia, Pa.
JUANITA SHARON CORNISH	Philadelphia, Pa.
KATHRYN G. COWAN	Waynesburg, Pa.
RICHARD ALFRED CRAIG	Philadelphia, Pa.
RONALD WESLEY CRAMPTON	Philadelphia, Pa.
CURTIS ELLIOTT CUMMINGS	Wayne, Pa.
WILLIAM CHARLES DAVIS	Mountaintop, Pa.
TIMOTHY ALBERT DEBIASSE	Madison, N. J.
THOMAS JAY DELEHANTY	Hazleton, Pa.
FRANCIS XAVIER DELONE, JR.	Wynnewood, Pa.
LEOPOLDO ELOY DELUCCA	Bayamon, P.R.
MARK STEVEN DIAMOND	Plainfield, N. J.
JOHN RITTER DIETZ	Wilmington, Del.
ROBERT BENJAMIN DOLL, JR.	Allentown, Pa.
CAROL ANN DOROSHOW	San Francisco, Cal.
ELYSE CAROLINE DUBIN	Cheltenham, Pa.

JOHN JOSEPH DULCEY, JR.	Beaver Meadows, Pa.
MARGARET MARY DUNN	Oakdale, N. Y.
WILLIAM ERNEST EGGBROTEN	Randallstown, Md.
EDITH SUSANNA EISENHOWER	Wildwood, N. J.
DAVID SAMUEL EISNER	Scranton, Pa.
JEFFREY HOWARD ELKIND	Hollis Hills, N. Y.
JOSEPH JOHN EVANS	Swoyersville, Pa.
RONALD MARC FAIRMAN	Wynnewood, Pa.
STEPHEN HENRY FEHNEL	New Bloomfield, Pa.
VICTOR ANTHONY FERRARIS	Bryn Mawr, Pa.
JOHN ALDEN FERRISS, III	Glen Rock, N. J.
ROBERT FINE	Stamford, Conn.
JEROME S. FISCHER	Philadelphia, Pa.
MICHAEL EDWARD FISCHER	Wyncote, Pa.
RICHARD ANDREW FLANAGAN, JR.	Lansdale, Pa.
ANES ROBERT FOGLEY	Scranton, Pa.
JAMES CALVIN FOLK	Altoona, Pa.
RICHARD MARK FORNADEL	Beaverdale, Pa.
BRUCE ALAN FOSTER	Wilmington, Del.
SHELDON JAY FREEDMAN	Plymouth Meeting, Pa.
RONALD ANTHONY FRONDUTI	New Kensington, Pa.
WILLIAM BROWN FUNK	Newark, Del.
ROSA MARIA FUSTE	Newark, Del.
JOSEPH ANDREW GERARD	Newark, Del.
BRUCE GILBERT	Los Angeles, Cal.
FREDRIC LEE GINSBERG	Philadelphia, Pa.
JAY MARC GINSBERG	Pittsburgh, Pa.
JAN STANLEY GLOWACKI	Saddle Brook, Pa.
RUSSELL STUART GOLKOW	Philadelphia, Pa.
DALE NORMAN GOODE	Birmingham, Mich.
WALTER GERALD GRAVES	Bradford, Pa.
JEFFREY BERNARD GROSS	Philadelphia, Pa.
JEAN A. HALPERN	Brooklyn, N. Y.
SALLY JUNE HAUSER	Wilmington, Del.
RICHARD BRADLEY HAYWARD	Harrisburg, Pa.
BRUCE HELLER	Freepot, N. Y.
FREDERICK JOHN HENSAL	Boalsburg, Pa.
DENNIS HERMAN	Philadelphia, Pa.
WILLIAM JOSEPH HERRMANN	Staten Island, N. Y.
DEBORAH JANE HILTZ	Swarthmore, Pa.
BETH ORRINGER HODGE	Philadelphia, Pa.
GREGORY ARTHUR HOFFMAN	Fort Wayne, Ind.
MICHAEL PETER HOFMANN	Wilmington, Del.
GARY ROBERT HOPEN	Hollywood, Fla.
MARK STEVEN ISSERMAN	Yardley, Pa.
ALBERT DAVID JANERICH	Plains, Pa.
MURALI JAGAPATI JASTY	Philadelphia, Pa.
ERIC CHARLES JAXHEIMER	Reading, Pa.
ERIC GORDON JOHNSON	Collingswood, N. J.
RUSSELL COMPTON JONES, II	Washington, Conn.
JOHN JOSEPH KELLEMAN	Clark, N. J.
FRANK ANTHONY KLINGER	Canonsburg, Pa.
HARRY JOSEPH KNOWLES, JR.	Narberth, Pa.
JEFFREY MICHAEL KOFFLER	Stamford, Conn.
KATHLEEN MARIE KOGUT	Philadelphia, Pa.
WILLIAM CARL KONCHAR	Forest City, Pa.
THERESA JANINA KORNELEK-REILLY	Philadelphia, Pa.
ERIC NEIL KRUGER	Philadelphia, Pa.
WILLIAM JOSEPH KRYWICKI	Wilkes-Barre, Pa.
JOHN VINCENT LA MANNA	West Reading, Pa.
RONALD MARK LAUB	Swarthmore, Pa.
SHERRI JEAN LAUBACH	Nazareth, Pa.
ROBERT JOHN LAWLOR	Paoli, Pa.
GARY WILLIAM LAWRENCE	Folsom, Pa.
EUGENE ALEXANDER LECHMANICK	Lock Haven, Pa.
NORMAN LEPOFF	Narberth, Pa.
SAMUEL MATTHEW LESKO	Lansford, Pa.
KENNETH LEVIN	Wilkes-Barre, Pa.
MARC ROBERT LEVIN	Philadelphia, Pa.
VINCENT ANTHONY LIGATO	Trenton, N. J.
SCOTT PATTERSON LIGGETT	Baytown, Tex.
BRUCE DUNCAN LINDSAY	Haddonfield, N. J.
THOMAS JOSEPH LOFTUS	Scranton, Pa.
MITCHELL LEE MARGOLIS	Pittsburgh, Pa.
LAWRENCE ALAN MARTEN	Detroit, Mich.
F. ANTHONY MASSIMINO	Irvine, Cal.

WARREN BRUCE MATTHEWS	Philadelphia, Pa.
MARK WILLIAM MAXWELL	Philadelphia, Pa.
SISTER ANN MARGARET MCCLOSKEY	Philadelphia, Pa.
DAVID ROBERT McDONALD	New Bethlehem, Pa.
THOMAS WILLIAM McLAUGHLIN	Philadelphia, Pa.
WILLIAM BERNARD McNAMEE, JR.	Drexel Hill, Pa.
MARC JAY MEDWAY	Philadelphia, Pa.
JAY SHERMAN MENDELSON	Pittsburgh, Pa.
GARY ARTHUR MILLER	Philadelphia, Pa.
GEORGE GEOFFREY MILLER	Spring City, Pa.
ROBERT JAMES MILLER	Hackettstown, N. J.
JEFFREY FRANCIS MINTER	Worthington, Pa.
RIAN DAVID CORLETT MINTEK	Oak Park, Ill.
DAVID MICHAEL MINTZER	Wynnewood, Pa.
THOMAS JAMES MORROW	Tarentum, Pa.
ANTHONY FRANCIS NAPLES	New Castle, Pa.
DAVID CHRISTIAN SPOE NICKESON	Ben Avon, Pa.
QUENTIN THOMAS NOVINGER	Williamsport, Pa.
MARY ELLEN O'CONNOR	York, Pa.
ROBERT FRANCIS OLIVERE	Wilmington, Del.
HERBERT PATRICK	Philadelphia, Pa.
JAY ARTIS PEACOCK	Wilmington, Del.
WILLIAM JAMES PECK	Camp Hill, Pa.
RICHARD MICHAEL PERGOLA	Little Neck, N. Y.
JOHN WILLIAM PETERS	Dunmore, Pa.
JOHN ELIAS PIATT, III	Springfield, Pa.
DONALD EDWARD PLAYFOOT	Easton, Pa.
EDWARD JAMES READ, JR.	Claymont, Del.
JOHN HURLIN ROBINSON	Greenville, Pa.
KEVIN GEORGE ROBINSON	Philadelphia, Pa.
DAVID MARTIN RODGERS	Wayne, Pa.
BRAD STEVEN ROGERS	East Rockaway, N. Y.
VINCENT THOMAS ROMAN	Shavertown, Pa.
ALAN DAVID ROUMM	Indiana, Pa.
CAROLYN DILWORTH RUNOWICZ	Miami, Fla.
JOSEPH JOHN RUZBARSKY	Dunmore, Pa.
JOHN MARSHALL SAMMS	Eugene, Ore.
DONALD JOSEPH SAVAGE	Plymouth, Pa.
ROBERT CHARLES SAVAGE	Plymouth, Pa.
PATRICIA K. SCHAEFER	Wilmington, Del.
MARC JAY SCHOENBRUN	Scranton, Pa.
LARRY JAY SCHOENFELD	Wyncote, Pa.
SAMUEL DAVID SCOTT, JR.	Glenside, Pa.
CYNTHIA LOUISE SEARS	Pottstown, Pa.
THOMAS GEORGE SHARKEY	West Pittston, Pa.
DAVID STEVEN SHEA	Easton, Pa.
AGNES H. SIMMONS	Philadelphia, Pa.
BARRY RICHARD SMOGER	Jenkintown, Pa.
LAWRENCE THOMAS SMYTH, JR.	Bethlehem, Pa.
STANLEY PAUL SOLINSKY	Philadelphia, Pa.
WILLIAM J. STEINBERG	Ambler, Pa.
JOAN NANCY STORER	Collingswood, N. J.
ALAN MARK SUGAR	Vineland, N. J.
SANDRA J. TEMS	Philadelphia, Pa.
PATRICIA FRANCES TENN	Philadelphia, Pa.
KENNETH WAYNE THOMPSON	Deland, Fla.
PAUL LOUIS URBAN	Easton, Pa.
BONNIE LYNN VAN UITERT	Morristown, N. J.
KARL THOMAS WAGNER, JR.	Bryn Mawr, Pa.
PAMELA JOAN WASSERBLY	Havertown, Pa.
PAUL R. WEBER	Philadelphia, Pa.
MICHAEL GARY WEINBERG	Huntingdon Valley, Pa.
JOAN WEISS	Levittown, Pa.
ROSALIE WINTER WESSELL	Philadelphia, Pa.
GARY JAMES WILLIAMS	Sharon, Pa.
ROBERT HENRY WILLIAMS, JR.	Swarthmore, Pa.
ROBERT EDWARD WISNIEWSKI	Wilmington, Del.
SANDRA MATTHEWS WOLF	Chestnut Hill, Pa.
DWIGHT DOUGLAS WOLFE	Belleville, Pa.
RICHARD ALLAN WOLITZ	Havertown, Pa.
ROBERT JAMES WOODHOUSE	Bradford, Pa.
JACK RICHARD WOODSIDE, JR.	Fairfax, Va.
FRANK JOSEPH WRIGHT	Glenside, Pa.
KAREN LUTZ YTTTERBERG	Wernersville, Pa.
MARC T. ZUBROW	Elkins Park, Pa.
ROBERT MICHAEL ZUKOSKI	Fairfield, Conn.



## THE ACADEMIC COSTUME

The wearing of academic dress dates back to the early days of the oldest universities in the world. In the American Council on Education's book entitled "American Universities and Colleges" it is suggested that "gowns may have been counted necessary for warmth in the unheated buildings frequented by medieval scholars. Hoods seem to have served to cover the tonsured head . . ."

Throughout the years European universities have continued to show great diversity in their academic dress. American universities, on the other hand, when they decided to adopt academic dress about sixty years ago, immediately established a code of regulations which today is followed by almost all American institutions. The establishment of this code has made it possible to distinguish the Associates, Bachelors, Masters, and Doctors and at the same time recognize the university which has given them the degree.

The Associate in Arts and Bachelor's gowns have pointed sleeves and are worn closed. The Master's gown has oblong sleeves, open at the wrist. The rear part of its oblong shape is square cut and the front part has an arc cut away, and is worn open or closed. The Doctor's gown has bell-shaped sleeves. It is worn opened or closed. Cotton poplin or similar material is used for the Associate's, Bachelor's and Master's degrees, and rayon or silk ribbed material is used for the Doctor's degree. All gowns are black except for the Associate in Arts degree which is gray.

The hoods vary in length: 48 inches for the Doctor's degree, 42 inches for the Master's, and 36 inches for the Bachelor's and Associate's. All hoods are lined in silk in the academic color or colors of the institution conferring the degree. If the institution has more than one color, the colors are shown in divisions using chevrons. The binding or edge of the Doctor's, Master's and Bachelor's hoods are usually made of velvet in the color designating the subject in which the degree was granted. The Associate of Arts hood has no velvet border. The outside is black.

Black mortarboards are worn for all degrees.

Some of the colors in the bindings of the hoods are:

<i>white</i> .....	Arts and Letters	<i>olive green</i> .....	Pharmacy
<i>lilac</i> .....	Dentistry	<i>dark blue</i> .....	Philosophy
<i>light blue</i> .....	Education	<i>salmon pink</i> .....	Public Health
<i>green</i> .....	Medicine	<i>golden yellow</i> .....	Science

The colors of the linings of the hoods for some Philadelphia medical institutions are:

<i>red and blue</i> .....	University of Pennsylvania	<i>blue and gold</i> .....	Hahnemann Medical College
<i>blue and white</i> .....	Philadelphia College of Pharmacy and Science	<i>silver gray and scarlet</i> ..	The Medical College of Pennsylvania
<i>black and blue</i> .....	Thomas Jefferson University	<i>white and cherry</i> .....	Temple University

### *The Jefferson Processional*

The Jefferson Processional was commissioned by the Alumni Association of Jefferson Medical College and played for the first time on November 15, 1974, at the Sesquicentennial Celebration of Jefferson Medical College of Thomas Jefferson University.

This piece was presented to Thomas Jefferson University by the President of the Alumni Association of Jefferson Medical College, Dr. John J. Gartland.

The composition was composed by Burle Marx.